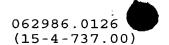
5,

10

15

20





## SYSTEM AND METHOD FOR PROVIDING ACCESS TO A BUS

## ABSTRACT OF THE DISCLOSURE

A computer system (10) includes a bus controller (12), a bus (14), a plurality of processing devices (16) and a plurality of enabling switches (18). Each enabling switch (18) corresponds to a separate one of the processing devices (16). Each processing device (16) sends an access (24) to arbitration logic (22)controller (12), requesting access to the bus (14). arbitration logic (22) selects one of the access requests (24) according to a priority protocol. The arbitration logic (22) generates a control signal (20) associated with the selected access request (24). The control signal (20) is provided to the enabling switch (18) corresponding to the processing device (16) that sent the selected access request(24). The enabling switch (18) enables access to the bus (14) for the processing device (16) in response to the control signal (20). In this manner, the computer system (10) can limit a number of processing devices (16) having access to the bus (14) in order to control a load on the bus (14).